Package ‘CCl4’

March 23, 2017

Title  Carbon Tetrachloride (CCl4) treated hepatocytes
Version 1.12.0
Author Audrey Kauffmann, Wolfgang Huber
Description NChannelSet for rat hepatocytes treated with Carbon Tetrachloride (CCl4) data from LGC company.
Maintainer Audrey Kauffmann <audrey@ebi.ac.uk>
License Artistic-2.0
Depends R (>= 2.6.0), Biobase (>= 2.5.5), limma
biocViews ExperimentData, Genome, Rattus_norvegicus_Data, MicroarrayData
NeedsCompilation no

R topics documented:

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Description

These datasets contain raw intensities from Agilent Rat Whole Genome microarrays. Total RNA from rat hepatocytes treated by Carbon Tetrachloride or DMSO was extracted. Purified RNA from Carbon Tetrachloride treated cells was degraded by ribonuclease A in order to study the effect of RNA quality on the expression data. From an initial Agilent RIN (RNA Integrity Number) value of 9.7, degraded RNA RIN values of 5.0 and 2.5 were achieved.

Usage

data("CCl4")

data("CCl4_RGList")

Format

CCl4 is a NChannelSet with 44290 probes and 18 arrays. CCl4_RGList is an RGList with the same data.
Source

Carole Foy, Holger Laux, Timothy Wilkes from LGC company in London, UK.

Examples

data("CCl4")
show(CCl4)

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